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SEPTEMBER, 1889.



Farmer



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THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND, AND FOR TEN YEARS THE ONLY ONE,

REW FARM,

Vol. XXVI. BALTIMORE, September 1889. No. 9.

THE FARMER'S SEVENTY YEARS

Ah! there he is, lad, at the plow;
He beats the boys for work,
And whatso'er the task might be,
None ever saw him shirk.
And he can laugh, too, till his eyes
Run o'er with mirthful tears,
And sing full many an old-time song,
In spite of seventy years.

"Good morning, friends! 'tis twelve o'clock;
Time for half hour's rest."

And farmer John took out his lunch And ate it with a zest.

"A harder task it is," said he,
"Than following up the steers,
Or mending fences, far, for me,
To feel my seventy years.

"You ask me why I feel so young;
I'm sure, friends, I can't tell,
But think it is my good wife's fault,
Who kept me up so well;
For women such as she, are scarce
In this poor vale of tears;
She's given me love and hope and strength,
For more than forty years.

"And then my boys have all done well, As far as they have gone,

And that thing warms an old man's blood, And helps him up and on;

 My girls have never caused a pang, Or raised up anxious fears;
 Then wonder not that I feel young And hale at seventy years.

"Why don't my good boys do my work And let me sit and rest?

Ah, friends, that wouldn't do for me, I like my own way best.

They have their duty, I have mine; And till the end appears,

I mean to smell the soil, my friends," Said the man of seventy years.

AGRICULTURAL FAIRS.

Perhaps no subject is more important than the proper method of conducting these gatherings and the securing the very best results from them.

Where the smallest demands have been

made for entries and the least possible fees for room, and the strictest exclusion of all games of chance and side shows has been enforced, the success has been the greatest and the results most satisfactory.

When the Fairs and Exhibitions have taken the form of gigantic picnics, basket meetings, or camp meetings, an exceptional success has attended them and exhibitors have realized more than elsewhere the good effect of such annual gatherings.

Bordering on these conditions is the immense gathering, which has eclipsed all others, annually assembled at Williams Grove.

We are not prepared to say that this same condition of things would be as potent to bring together in each county great and successful exhibitions; but we are certainly not prepared to say it would not do so.

Most of the County Fair Associations have fully as acceptable conveniences as are at Williams Grove; or, they could easily secure them; and why they should fail if the same methods were employed, and the same care taken to exclude everything morally objectionable, we cannot imagine.

We are now in the midst of our Annual Fairs, and they promise thousands of dollars in premiums and they must receive many thousands of dollars to make these promises good. All this must in some way come out of the patrons of the Fair. In the end most of it must be contributed by the farmers themselves, although much is given primarily by manufacturers of Agricultural Implements and the owners and patrons of the races.

The question remains, how far can these expenses be reduced without destroying the objects of a true Agricultural Fair and Exhibit, and at the same time adding incentives enough to make it successful as a real exposition?

The picnic and camp meeting features of some great gatherings should undoubtedly be taken into account here, and plain diplomas and prize certificates should be considered in the place of cash premiums.

We cannot of course assert positively how far these things could be depended upon; but in very many cases a written award under hand and seal of the Association would be of more value than the moderate sums of money awarded.

If the expenses could be so reduced that the gate fees could be dispensed with, and the public cordially welcomed we believe a vast improvement could be realized as to the actual benefit to exhibitors.

It is the object of exhibitors to get their exhibits before the people, and anything which will secure them ten farmers, instead of one, to examine their offerings, insures more than ten times the success. A crowd creates interest and discussion, and these are sure to result favorably to everything which has real merit.

A very large crowd, however, brought together by any single attraction does not usually fill the bill. If they come to hear some far-famed orator, or to witness some famous horse race, or to see a contest between two champion base-ball clubs, they generally desert everything for the one attraction, and it is an injury rather than a benefit to the exhibitors.

Then such crowds are not, as a general thing, composed of the material which would promote the real success of the fair; the real success being not merely a pecuniary one, but where each visitor and exhibitor feels that he has learned somewhat of value and has accomplished real good for himself and others.

Of course the fairs as at present conducted are a great good; but they can be made much better. The great work we should have in hand is, to cast out all the evil in them, and add to all that is good.

We are sure that the State Exposition at Pimlico will be a great pleasure and a great attraction and do much good for Maryland. But we would be greatly pleased even if we could make it accomplish twice as much as the most sanguine of its promoters desire.

On this principle we should discuss the best methods of conducting all these fairs—to make them more and more useful—never content with a partial success, always anxious, always laboring for a perfect success.

FENCES.

We take pleasure in the agitation just inaugurated by The American Garden on this subject. A year or more ago, one of our correspondents, Mrs. John Green, gave us an excellent article on this subject which was largely copied. It took substantially the same ground which is advocated by our New York contemporary.

The cost of fences is frequently greater than the cost of land and the annual outlay to keep them in repair runs into the the hundreds of millions of dollars, to say nothing of the interest on the money thus invested.

Then the whole theory of fences is founded upon the wrong principle. We should not be obliged to fence our crops against the cattle of our neighbors. Each one should take care of his own stock.

Laws should protect us from the eneroachment of others upon our door yards and make them responsible for injury to shrubbery, and subject to fine and imprisonment for mischief.

But aside from these things, the absence of fences, would bring about a higher state of morality, a better education as to the observance of each others rights, a more honorable deference to the cultivation of

beauty around our homes, which would be a real blessing in every community.

We therefore hail most heartily every effort to abolish the unsightly, the costly, the unnecessary symbol of an unjust and barbarous age.

For the Maryland Farmer.

THE FARMER'S FAITH.

What the Farmer's Faith is, and what it should be, make up a subject which it would require an expert to set forth with anything like accuracy. I don't propose that I am an expert; but as a farmer I actually have my own ideas which may be of some value.

His faith is, as a general thing of a faltering or doubting character. It goes through all his undertakings, and all his work seems to be of the nature of a lottery in his mind.

He prepares his ground as he supposes is in the best manner possible with plough and harrow. If he buys fertilizers for it, he does it in a half-hearted way, for he has a lingering doubt as to whether they are what he wants, or whether they will add anything to his crops. If he buys his seed he takes them on the "say so" of the seller as to their quality, name and prospective production. After he has planted, he cultivates them with a lingering sense that all his labor and care may be rendered of no account by the vagaries of the season, by insect depredations, by flood or drought. If he has a favorable crop, he is still doubtful about their sale for enough to pay for his expense of labor, fertilizer, seed and marketing. This seems to be his faith as it is in his experience and his practice.

Can'we tell as easily what it should be? It is dependent upon his knowledge of his surroundings and his memory of the past.

These must regulate it, and thus overcome his doubts.

It should be of such a character that every one of the operations, from the first turning of the soil until his last journey to his home at the close of the year with ample means to meet his last demand, shall be performed without the least doubt of a favorable outcome. He should feel that the aggregate of receipts, after all contingencies, was sure to come up to the standard necessary to meet all his reasonable demands.

Of course imagination will at times serve the most of us with magnificent anticipations, not to be realized in actual experience; but this should not come under the head of faith. It is only in the realm of possibilities; not in that of actual probabilities; and not where faith can reach.

We hear of "plowing in hope." This is not the right kind of plowing. It belongs to what we have pictured for the farmer's present doubting, faltering mode of work. It should be "plowing in faith." with a hearty surety in the promises that belong to certainty of reaping.

I am fearful that the doubting characteristic of the Farmer's Faith results in good part from a lack of knowledge of the dealings of God, and an idea that he has favorites in this world and in eternity. He has been taught this from childhood and he naturally supposes that it runs through all the various concerns of his daily life.

But here is a great mistake. God is all right. Sunshine and shower show that none are favorites, for all enjoy them. Your land, your labor, your crops are just as certain as your neighbor's, if you attend to them just as well. He, who is over all, brings a like result to the labors of each one of the great humanity—a just recompense according to skill and faithfulness.

The Farmer's Faith should take in the

broad facts of nature's returns everywhere on the face of this earth and to our great humanity, and learn that all depends upon the faithfulness of the man to the circumstances in which he is placed. Labor, and knowledge, and care of all the necessary details, bring the sure reward.

If you are careless in any of these particulars, you have cause to doubt; but if you are not, then you have no cause to doubt; but you can go out with perfect confidence that the end will be well.

J. B. STERLING.

A DOG LAW.

We see by the Massachusetts Ploughman that a Dog Law has recently been passed in that State which has some good features; but it promises much more than will be realized by the farmers for sheep destroyed.

We have a similar law in Maryland; but unfortunately the dog fund is never sufficient to pay the damages. In some of the counties damages have accumulated to the amount of some thousands of dollars, with nothing in the dog fund to meet it.

The law is manifestly imperfect where no provision is made for the actual and prompt payment for losses sustained. The money being dependent upon the dog tax, fines and collections from owners of trespassing dogs, is notoriously inadequate to meet the payments as required.

Not until the money is assessed upon the property and the payments made promptly, and thus it shall come home to the people, will the law be made in the proper shape to protect sheep owners. We are pleased with the following words of the Ploughman:

"This is perhaps all the farmers could expect in the present state of public opinion about dogs, but we hope to live to see further amendments to this law compell-

ing the owners of dogs to keep them at home, and allowing them to be shot when roaming at large.

There are far too many dogs kept that are not trained in the way they should be, and are a source of constant annoyance in trampling lawns, garden crops and flower beds, barking at passers in the street without reason, defiling gate posts and making "night hideous" with their howling."

THE DIFFUSION PROCESS.

Dr. Wiley, Chemist of the U. S. Department of Agriculture has just placed in the hands of the Secretary of Agriculture the report of experiments in the manufacture of sugar by diffusion at Magnolia Station, Lawrence, La. The report was prepared by Mr. Guilford L. Spencer.

The work done at the Magnolia Plantation comprised the manufacture of 1,855,230 lbs. of sugar, and the comparison between the mill work and the diffusion process was in favor of the latter by a yield of 54.1 lbs. of sugar to the ton of cane, the diffusion average being 222 lbs., and that of the mill 167.9 lbs.

In connection with this work it may be stated as a result of the work of the Department of Agriculture during the past four or five years, that the improvement in methods and the application of chemical control to the sugar factories, notably the extension of the diffusion process, has already resulted in raising the highest average sugar per ton of cane from 150 lbs. to over 200 lbs. There seems every likelihood that this increase will shortly be attained in the general average of the state, a result that will add about 12 million' dollars yearly to the annual sugar crop value. This bulletin, as well as the reports on the work done at Des Lignes and Calumet, will be ready for distribution soon.

WEEDS, WHERE DO THEY COME FROM?

What boy raised on a farm, or at a home where there was a large garden, but has asked this question? How many weary hours he spent in the hot sun endeavoring to destroy, once for all, these vile pests, and how, over night, they seemed to grow beyond his power to destroy.

What is a weed? "Any useless plant." one says. Another has said, "Any plant whose use is not yet discovered," but a better definition is, "any plant out of place is a weed." Thus the beautiful grass of the lawn transferred to the Strawberry bed, becomes an annoying weed, and so may be considered and treated the numerous young plants of the Strawberry, Raspberry and Blackberry which we see between the rows.

The ordinary weeds are. however, plants for which we have no use. Where do they come from? All plants come from seeds or buds of some form. When, then, weeds spring up in the garden, they come from seeds, which, in some manner, have gotten there. What are these means? A few of the more common only can be named:

- 1. The seeds of weeds are often present among the seeds which are sown. Farmers must be on their guard constantly when they purchase grass seed, or else they may sow their farms with noxious weeds.
- 2. Many weeds are introduced into the garden with the manure used. Stable manure contains the seeds of all the weeds which existed in the hay and straw of which the manure was formed. The writer has seen different crops of weeds growing on his grounds, brought from different stables. Commercial fertilizers are free from weeds.
- 3. The wind blows many seeds into the garden: Some seeds, as those of the Dan-

delion and Thistle are formed for this mode of dispersion.

- 4. The melting snow and running surface waters may introduce other weeds from our neighbor's grounds. Streams running through the garden may carry many seeds.
- 5. Other seeds are in the droppings of birds, and some are carried in the mud on their feet.
 - 6. Railway trains carry weeds and distribute them about the country with great rapidity.
 - 7. Some seeds cling to our domestic animals, and are thus introduced into our grounds.
 - 8. Other seeds cling to the clothing of man and are carried from place to place. Whenever an army passes through a country, weeds unknown in the region before spring up. Thus in Georgia, after Sherman's invasion, and in France, after the invasion of the Germans, pestilential weeds are said to have appeared in abundance. The Broad-leaved Plaintain is called by our Indians the "White Man's Footmarks," because it springs up on his camping ground.

A large proportion of our worst weeds have come to us from the Old World, as one will learn from an examination of Gray's *Botany*. Some tronblesome weeds have been introduced as plants for the flower garden. The Bouncing Bet, Saponaria officinalis, and the Toad Flax, Linaria vulgaris, belong to this class.

Some weeds promise to become useful in the future, as the Velvet Leaf, Abutilon avicennæ, yields a good fiber, and the various Milkweeds, Asclepidaceæ, furnish in their milky juice a considerable amount of India rubber.—*Prof. Groff in Vick's Magazine*.

Show our book to your friends.

BACTERIA.

The current topic at present has been that of disease germs, ferment germs, and similar invisible spores of animal and plant life under the general title of Bacteria.

It has long been an accepted fact that living insects infest everything of food nature and abound in water and air—many of them not visible by the microscope; but still known to be there.

Visible by the microscope 300 or more have been found in the dust held on the point of a common pin, lively little animals. We are surrounded by them and they enter into our organism by food and drink and breath. They thrive in the dark and closed parlors; dark and damp are their especial delight. Dryness and bright sunlight greatly lessen their number.

It is fortunate that the great majority of them are harmless, and one can eat, drink or breathe a few thousand millions of them without incurring any particular danger.

Bacteria, producing disease, can be guarded against by cleanliness, floors without carpets, or carpets cleaned properly, by keeping the house dry, flooding the rooms with dry air and sunlight. Ferment bacteria cannot pass through raw cotton, so that food can be preserved a long time if this is used to protect it, as in the case of tying it over cans of fruit.

It is by no means necessary to feel alarmed at any of the statements of the myriads of Bacteria that enter our system, if we will take pains to keep ourselves and our surroundings cleanly and choose our homes where sunlight and fresh air can exercise their renovating powers.'

Of course, it is our duty to keep ourselves from contact as far as possible with the Bacteria which surround diseased persons and which convey contagions, where

duty does not require our presence. In other words, be careful about contact with contagious diseases and avoid the habit of kissing the sick and the dead and all similar exposures.

GRASSES.

The Agricultural Department announce the issue of a very complete work on grasses, by Dr. Vasey, Botanist. In the preliminary statement it promises many practical suggestions and many plates of the various species of grasses. It also states that "Altogether, it is probably the most complete publication on the grass question yet issued in a practical and convenient form." Let the progressive farmer take the ordinary means to secure a copy.

INTER-STATE FAIR—Trenton, N. J. Sep. 30-Oct. 4

The Prize List of this great Fair is received. It was among the most successful last year, and promises even greater attractions for the coming season. Those who would learn particulars should address the Sec'y, Trenton, N. J.

THE CROW.

The conclusions of the Agr. Dept., from the study of the crow question so far as it has been carried are these: Crows seriously damage the corn crop and injure other grain crops usually to a less extent. They damage other farm crops to some extent, frequently doing much mischief. They are very destructive to the eggs and young of domesticated fowl. They do incalculable damage to the eggs and young of native birds. They do much harm by the distribution of seeds of poison ivy, poison sumach, and perhaps other noxious plants. They do much harm by the destruction of

beneficial insects. They do much good by the destruction of injurious insects. They are largely beneficial through their destruction of mice and other rodents. They are valuable occasionally as scavengers.

SWEETS.

Farmers should make arrangements to supply as far as possible their own sweets. Grow sorghum, and make their own syrup. Keep plenty of bees. Use the very smallest amount of sugar possible. So long as sugar is manipulated by the trust and the trust conspiracy cannot be reached by law, make it a matter of principle to do without sugar whenever it is possible.

Of course, we recognize the fact that we cannot do wholly without it; but we can use vastly less than we are using and we can cultivate a much to be desired economy in this direction. Grow sorghum, and keep bees, and down the sugar trust.

Already very significant rumors are circulated that the trust and outside refineries, including that of Claus Spreckles, have come to an amicable arrangement." Everyone knows the meaning of that. If we cannot get the law, let us have the virtue of self-denial long enough to bring the conspirators to grief.

The Floral Album published by Isaac F. Tillinghast, La Plume, Pa., is a treasure which should be secured by every lover of flowers. It gives upward of 250 varieties of flowers in their natural colors, beautifully represented, 9 on the page. We are much pleased to possess a copy. By sending \$1.00 for a copy, you are entitled to receive also one dollar's worth of Flower seeds, your own choice and from a catalogue which accompanies the Album. No one will fail to be satisfied with this generosity of the publisher.

WATERMELON SYRUP

Col. William Duncan, of South Carolina, believes that the watermelon crop may be made reliably profitable, and in a way that will greatly enhance its importance. After numerous experiments he is convinced that the manufacture of watermelon syrup can be made a profitable industry. The syrup he has made from watermelons, he says, was excellent, superior in flavor tc cane syrup. All who tasted it agreed with this estimate and Col. Duncan found no difficulty in selling at a good price all he made. Watermelon syrup, he thinks, could be very easily made popular, and such a large and steady demand for it established as would lead to its manufacture in the watermelon regions. extracting the juice what remains of the melon can be put to excellent use as feed for stock. Enough can be realized, according to Col. Duncan, from the sale of this refuse to pay for the making of the syrup. He believes that the watermelon crop would bring more money if converted into syrup than if marketed at good prices for the raw fruit. He estimates that the crop of Barnwell county, S. C., this year could easily have been made to bring \$200,000 if it had been turned into syrup, a much greater amount than the melons would have brought had they all been sold. Farmers in Georgia have often made watermelon syrup for family use and found it good, but no effort that we know of has ever been made to give it any commercial value. It seems very probable that Col. Duncan's suggestion is entirely practicable. It is at least worth trying.— Macon Telegraph.

BROAD TIRES.

In the country upon dirt roads no farmer should be pursuaded to use tires

narrower than four inches. On his farm, on grass land, on plowed fields his team will bless him for the broad tires. A load which they cannot move with two inch tires, they will carry along with little apparent effort on the four inch tires.

There is no reason why this reform should be neglected, except that the purchasers of farm wagons think more of pleasing the eye than of benefitting the team. Manufacturers would just as willingly make the wide tires as the narrow, if the farmers will show their desire.

John G. Whittier has a word to say in praise of the modern farmer as against the yeoman of the good old times. He says that nowadays a farmer has some regard for his own comfort and that of his family, and that he is well informed on the subjects of the day, while in by-gone years he had no comforts at all, and knew little of what was going on in the world.

It is proven by agricultural statistics says a western exchange, that \$5.00 worth of dog annually kills \$1,000 worth of sheep, besides having five or six days and nights left to the dog to keep the whole neighborhood awake with a chorus of barking.

There are regular preserves for keeping and fattening frogs in Vienna; almost any species is considered suitable for the table. In the West Indies the grunting frog is in favor, and in South Africa a large species, when cooked, might be mistaken for chicken.

A reporter, describing a collection of bric-a-brac, says: "The visitor's eye will be struck on entering the room with a porcelain umbrella."

HOME-MADE SOAP.

I have found a way in which I can make soap while waiting for the teakettle to boil for supper. It is very easy. Get of a druggist or grocer a pound-box of the pulverized lye now sold so cheaply and in such convenient shape. It will cost you fifteen cents. It comes in a neat can which can be opened with any penknife. Dissolve this lye in three pints of cold water. The lye heats the water, and you must wait till this heat passes off before making your soap. Melt your grease and strain through a cheese-cloth and weigh tive and a half pounds. As soon as this melted grease is cool enough to bear your hand in, pour grease and lye together and stir thoroughly a few minutes and you will see it thicken. Now pour it into a box or dripping-pan lined with greased paper and let it stand in a warm place for twenty-four hours, then cut into bars. It will be ready for immediate use, will keep growing better, is clean and thoroughly satisfactory for dishwashing and the laundry, makes a good suds and is economical having cost you only fifteen cents, the price of your Ive, as the grease was saved at odd times. It can be made without fire, as you see it does not have to be boiled or even have boiling water added. Our laundress uses it and says "It is good," and she is apt to be critical. - Good Housekeeping.

THAT ELIXIR.

Our readers have no doubt heard of the Brown-Sequad Elixir. We do not advise anyone to try this very fanciful method of enring all the ills of life, and delaying all the ravages of time. We know this is a wonderful age and we should be prepared for almost anything which is out of the ordinary experiences of our daily life. Still we, for some time to come, shall allow

others to undergo the dangers and enjoy, if they choose to put it, the remarkable exhilirations belonging to this Elixir. The time may come when there will be no need of dying; but we do not expect it will be while we are on the earth. We use the least possible medicine and avoid everything that smacks of the miraculous in cures.

CRITICISMS WITHOUT POINT.

We have read, recently, in our exchanges some criticisms of the free distribution of agricultural literature among farmers in accordance with the wish of Sec'y Rusk, to make the results of his department known to those most interested.

We have advocated for years the necessity of making "reports," which the commonly educated farmers could easily understand—reports free from scientific and chemical technicalities—and we do heartly commend these which Sec'y Rusk proposes to issue.

We would by no means object, if the combined talent of the Agricultural Department could be employed in the weekly issue of an agricultural paper, which would eclipse anything hitherto projected and send it gratuitously broad cast among the farmers of our country.

A little of the surplus could be advantageously used in this direction. We think the objects of the Department of Agriculture would be best accomplished in fact by giving a popular weekly to the country, in popular style, covering the varied industries under its fostering care. We can have no sympathy with the criticisms which would consider it an encroachment upon the vested rights of the hundreds of farm papers scattered over the land, each with its little circle of readers and admirers.

The more information we can get in circulation, the better; and the clearer it can be brought home to each one who has land to till, cattle to raise, and crops to market, the more good will result to all. Send out your reports in strong simple words, without great bodies of figures and without chemical, or scientific terms which only confuse those unaccustomed to their use.

COUNTY FAIRS.

With address of Secretary.

Baltimore, Timonium, Sep. 3— 6. Wm. B. Sands, Baltimore, Md.

Montgomery, Rockville, Sep. 4—6.

John E. Muncaster, Norbeck, Md.

Pimlico, Sep. 9—14.

David Cowan, Baltimore, Md.

Cecil, Elkton, Oct. 8-11.

John Partridge, Elkton, Md.

Harford, Belair, Oct. 9-11.

Frederick, Frederick City, Oct. 15—18. Geo. W. Cramer, Frederick, Md.

Washington, Hagerstown, Oct. 15-18.

P. A Witmer, Hagerstown, Md.

Talbot, Easton, Oct. 24—27.

GATHERED CRUMBS.

The number of lambs in Illinois this year is not as large as in 1888 by 7 per cent, according to statistics furnished by the department of agriculture of that State.

While fruit is plenty, be sure of a home supply—not only fresh to use now, but stored away for use during the winter. It will be cheaper and healthier fare than bread and bacon.

One of the most important items of work to be done among the small fruits at this

time is the keeping down of the weeds. If this cannot be done by cultivating, pull them up by hand or use the hoe.

Liverpool bought 750,000 barrels of American apples, and London 350,000 barrels during the season recently ended. The importation of American apples by the United Kingdom is on a rapid increase.

A modern home can be built for \$5.000; also for \$1.000. The big house doesn't always have the happiest children in it. Architects are all right for the exteriors, but they do not fill the interior corners with home comforts. Don't wait to build a mansion, if you can put up a cottage.

Four Massachusetts farmers were arrested for making hay on Sunday recently.

The government at Kingston, Jamaica, has reduced export duties on sugar from \$1.39 to 42 cents per hogshead.

The entire cargo of a fruit steamer—8,000 bunches of bananas, was recently condemned by New York health inspectors and sent to the offal dock.

A poultry fattening company has been organized in New York, to fatten fowls on the French plan. It is proposed to handle 100,000 birds every three weeks.

The three-ton motor of the Electro-Automatic Transit Company of Baltimore, made a speed of two miles a minute, Aug. 7, on a two-mile circular track at Laurel, Md.

Mr. E. C. Jordan, a prominent Bee Keeper, was bitten on the hand by a pet squirrel. The hand became greatly swollen. After the hand had been amputated, the poison continued to spread through his entire body and resulted in death. Last year 45,000,000 pounds of oleomargarine were made in the United States against 30,000,000 in the previous year. The sales kept pace with the manufacture.

Santa Barbara county, Cal., claims a grape vine of immense proportions. The circumference of the trunk six inches above the ground is six feet two inches. It is seven feet high, and the main trunk is divided into branches which are trained on an arbor and extend 110 feet one way and 90 feet the other. The annual yield of grapes from it averages four tons.

It is said that a Portland, Me., shoe manufacturer being asked to assist in providing bread for the suffering poor, said that he would contribute to the extent of one hundred sacks of flour and one hundred bushels of meal to each man who might be found in Portland who neither kept a dog, drank rum, nor used tobacco, who was in need of bread—and that the person has not appeared yet to claim the gift.

The New York State assessors say that everywhere in the State farming lands are decreasing in value. An Orange county supervisor states that he does not believe there is a farm in the country worth its assessed valuation.

TWO NEW PREMIUMS.

Fireside Dickens, the very popular \$5.00 work.

Carlton's Condensed Cyclopedia, Treasury of General Information \$2.00.

Only a few copies of these can be offered, as premiums. 10 subscribers sent us at \$1.00 will secure the Fireside Dickens, and 4 subscribers at \$1.00 will get the Treasury. They are well worth the little labor which is necessary to obtain them.

SHEEP.

A farmer once employed a young man to labor upon his farm without inquiring as to his habits, and upon learning that he was somewhat addicted to drinking, the farmer offered him a choice sheep if he would refrain from drinking during the A grown son of the farmer on hearing this said: "Pa, will you give me a sheep too if I will not drink this season?" "Yes," replied the father, "you may have a sheep." Then the little boy spoke up and said: "Pa, will you give me a sheep, too, if I'll not drink?" "Yes, son you shall have a sheep also." moment's pause the little boy turned to his father and said: "Pa, hadn't you better take a sheep, too?" The father must felt sheepish.—Colman's Rural World.

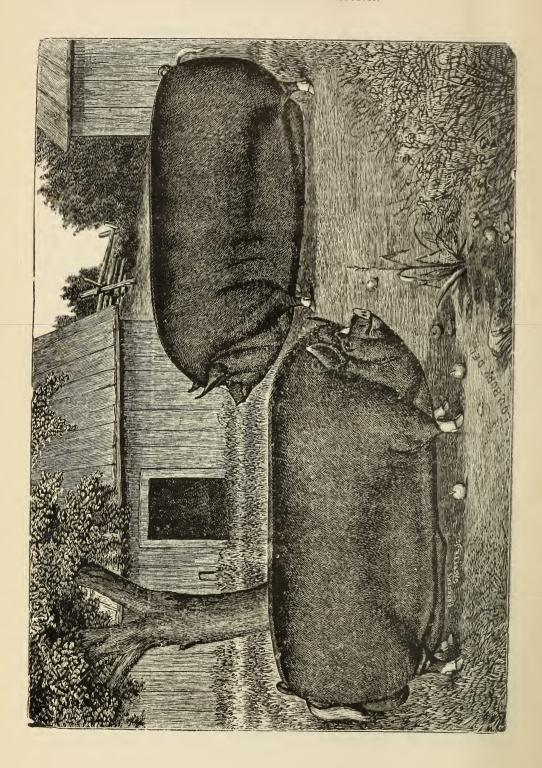
100 YEARS ALMANACK

For Farmers and Housekeepers, commencing with 1876 and ending with 1976, translated from the Original Genuine Calendar, over two hundred years old, is now before us. It's a wonderful book, containing 32 pages, in which are given the ruling of the planets, their influences upon the earth, indicating the various changes of the weather we are to have during their reign, and the probable effects of the same on people born or crops to be expected during the reign of each successive planet. This is an invaluable Almanack, the correctness of which can be verified by many of the oldest inhabitents now living. For sale by Newsdealers, Notion Houses and General Stores throughout the country.

A sample copy will be sent postage free to any address on receipt of 10c in stamps. A liberal discount to all dealers Address O. Swingley, 524 Arlington Avenue,

Baltimore, Md.

A Cape Cod fisherman calls his boat "The Kiss," because it is nothing but a smack.



STOCK FOR THE ARM.

Address any of this list of Breeders and Dealers and you will find a prompt answer if you mention the Maryland Farmer. We believe every one of them to be reliable.

—Editor Md. Farmer.

Reid Brothers, English Shires, Clydesdales, Shetland Ponies, Janesville, Wis,

Geo.F. Davis & Co Originators Victoria Swine. Dyer, Ind,

E.H. Smith, Standard bred Horses, Fancy Pigs and Poultry. Salem, N. J.

J. C. & D. Pennington. Registered Jersey Paterson, N. J

W. E. Pendleton, Agt. New London, Conn.

For the Maryland Farmer.

STOCK ON THE FARM, VI.

Grass the Great Renovator. Silos the Hope of the Future. The Farmer's Bank at Home.

The Blessed Cow.

The Horse.

The Sheep and the Dog.

The time for the use of the Silo has come. If you have not made one, commence the work now. It is a necessity if you are to keep stock well, feeding them as does your neighbor. You want to be up with the times, and you do not wish to see anyone's stock look better, more contented, sleecker than your own stock. Therefore build a silo.

Take one corner of your barn and make there a bin, boarded inside and outside, with good roofing paper on the sides under the boards. A solid cement floor is good, also, and if the siding is matched, tongued and grooved, and white lead is used when driven together, all the better. Have the

bracing strong so that there will be no danger of spreading when filled. Have the door double, and provided against all danger of springing by suitable cross bars.

It is optional whether you fill in these walls with sawdust or not. If you have used tarred paper freely it will keep the cold and heat at bay.

Now to have good ensilage I will only speak of my own way. I grow my corn—mammoth sweet corn, although some prefer a very large dent corn—and just as it begins to harden I cut it up and cart it to my ensilage cutter. This cutter runs by horse power and is handy to my silo. It is cut into half inch pieces, or a little larger, ears and all, and cast at once into the silo.

I tramp it down particularly around the edges, and give the corners extra attention. The middle settles pretty well with only an occasionally step on it. I am in no hurry. I leave it whenever it is necessary. Sometimes I have stopped for two or three days and at one time I stopped for fully a week. It does not injure. It gets pretty warm, but I rather think that a benefit. I cannot give the precise reason of its being a benefit; but I know it keeps better after having heated somewhat while in the process of filling. I mean it comes out sweeter; and perhaps your scientific friends will explain "the why." When I get it filled, or when I get all I have in the silo, I put on about two feet of hay or straw, cover it with boards and let it stand until I want to use it.

When the cold whether comes and I want to feed my ensilage, I uncover my silo; I rake off the amount for the feed,

cover it with a sprinkling of bran, place it before my stock and they report progress satisfactorily.

I have found some mould, some rot, at times. Of course this is thrown out for the manure pile; but this disposed of the balance is generally sweet and good. I have never been troubled about my ensilage since I began to take its filling in this easy way and I have had comparatively little waste.

I cannot say how much I realize to the acre in the way of food for I have never weighed my crop of ensilage and I do not weigh nor measure my food when I prepare it for the stock, except by my eye. But it used to be said that a quarter of an acre of beets would supply food for a cow for a year—I suppose they meant a little Jersey cow—and I am well satisfied that the ensilage, with about one quarter of the labor, will go as far as the beets.

What will eat ensilage? The milch cow stands first. It is about equal to the best pasture, and with the addition of the bran gives as good cream and butter as the best pasture can supply. It also gives fully as great a quantity. If I cut short the ensilage, even supplying the extra nice clover hay in its place, I find a large decrease in milk supply, and some decrease in butter; although not as great in butter as in milk.

Next the horses relish it. I can remember when I first offered it to one of my horses and he turned it over and looked at me in apparent disgust. I had neglected to doctor it. I took a measure of corn meal up to the manger and stirred it into the ensilage and I have never since been favored with that indignant glance.

My sheep have a mixture of ground oats and bran with the ensilage and thrive all winter as I have never had sheep thrive in former years. They eat comparatively little, but are as bright and happy as though it was May and June instead of January.

The Poultry receive their portion, also, and attack it greedily. They need it in winter fully as much as the cattle, and while I think they would do better on clover ensilage than on the corn, I have not yet had the opportunity of trying them. They take to the corn with such vigor I have been satisfied to let them have that.

In the pig-pen I have used very little of it. I have generally given them plenty of potatoes, the refuse of the apples and cabbage leaves; but when I have thrown in a wheelbarrow load of it they have made short work of it. Were I forced to depend upon ensilage for the green food for my pigs, I would not fear the result.

Fellow Farmers:—The silo is the greatest discovery of this age of progress. Do not suppose you can do without it, and thrive and be happy. I would no sooner go back to that old method of wintering my stock, than I would think of discarding the steam engine, the telegraph, the railroad or the steamship. They all belong on the same plane. We must have them all.

GOOD-BYE, CHURNS.

In olden times we are told, milk was placed in a leathern sack, and pulled along on the ground until butter was formed in the sack.

Later, The milk was allowed to stand until cream was obtained, and then the cream was pounded and stirred until the butter was obtained.

Later, The many varieties of churns from the dash churn of our fathers to the rolling barrel or swinging box of to-day.

Later, The Separators by which the cream was at once extracted from the milk, and then placed in the huge churns of our modern creameries.

Later, Now, Good-bye, churns; good-

bye, cream; almost good-bye, time. The invention has come, the machine is ready: a stream of new milk is poured gradually into the machine at the top, and in three or four minutes a stream of butter runs out of the bottom.

The dairy-maid's occupation is gone. All the romance of milk and cream and butter has departed. The long churning is over. Pour the milk into a funnel, and gather the butter from an iron pipe. Catch the skim milk and carry it away for the pigs or the chickens.

No butter-milk now, no long and weary waiting for the cream to rise, no struggling beside the churn with weary arms and weary hearts. Hold your receiver under the iron spout till it is filled and walk off with the best sweet butter in this world.

Good-bye, Churns, good-bye.

PREVENTION OF RUNTS.

When you get a good idea, put it on record. If you do not want it to-day, it may come in place to-morrow, or next month, or next year.—[Ed. M. F.

Prevention of runts is, says the Rural World, wherever possible, better than the destructive after-remedy for this evil. In the pig pen the runt pig either signifies immaturity of the sow, or the lack of proper food, or both combined.

An old sow, if given milk, bran, oatmeal and other bone and muscle-forming food, will often drop a litter of pigs, every one of which will be long, straight-backed and thrifty and of uniform size. This cannot be done on food consisting mainly of corn, potatoes and other carbonaceous or fatforming material.

Nor can it with young sows that have not yet finished their own growth, however they may be fed.

Something may be done by good feeding to prevent runts, and if a young sow is

with pig she has a ravenous appetite if fed on bran, ground oats and other foods that her instinct loudly calls for. She may be fattened on corn, but both she and her pigs will suffer. The pigs will be nearly half runts and unprofitable to keep.

LEAN AND FAT HOGS.

The discussion and tendency to all new movements have extremists. The present tendency in certain directions towards the production of leaner pork has suggested that, if we can produce leaner pork for table use, can't we as well make it all lean. The National Stockman thinks that it would not be a good idea to grow them so lean that we should be compelled to borrow grease to fry the meat, and adds:

Since we have given attention to swine breeding, there has been a claim advanced that some breeds possess lean meat qualities to a greater degree than others. The English breeds, by the manner in which they have been bred, have this tendency more noticeable than the corn-fed American breeds. Now the Cheshire breeders would claim superiority above all others in this respect.

Against these claims, supported by facts obtained by careful experiments, we will say that there is more in the feed than in the breed.

It is a good thing to have lean meat and an abundance of it, but there should be enough fat with it to keep the muscles well lubricated.

It is well to cater to the demands of the rich and dainty eaters who call for the best in the way of meats; it is also well to take into consideration the claims of the laboring classes who believe they cannot work without their bacon thick, fat and oily.

In the lumber and mining regions, this heavy bacon meets with ready demand.

contractors do not want the well marbled ment and send Mr. Ed. P. Hals, New bacon, for they have learned that the thick, oily pieces go farther in feeding working men, and they buy that which brings the ence to our readers. greatest return.—Indiana Farmer.

DROPPINGS.

The droppings of most animals, if saved entire,—solid and liquid—are nearly equal in value for the farm to the cost of feed.

The more the food has cost, as a general statement, the more valuable are the droppings. Rich feed making the very best fertilizer.

This has been particularly demonstrated in feeding bran to cattle; but it holds good everywhere—from the food of the horse to that of the chicken.

Better pass your fertilizer through an animal than to buy it direct from the manufacturers, is the conclusion.

The Dept. of Agriculture has taken the very best measures for the disinfection of all cars in which cattle are brought to the seaboard intended for export. This precaution is an assurance of the perfect healthfulness of cattle sent to foreign countries.

NORWEGIAN COD LIVER OIL.

We are very desirous that our readers who are making efforts to have their cattle, horses, swine, sheep or poultry in first class condition, and most profitable, should give this a fair trial. The price is but a trifle, when the value of it is considered. Full directions come with it. We have ourselves no especial interest in it except to know its effects upon the different classes of stock. Examine the advertise-

York, an order. If then you report to us, we will give a just account of your experi-

IT IS NOT TRUE

We hear occasionally that comb honey has been manufactured by machinery in such a way as to deceive purchasers. As the harvest approaches this is occasionally repeated in newspapers which do not know anything to the contrary. The fact is that it is thus far an impossibility. A. I. Root has kept a standing offer of \$1,000 for any one who will show him where this artificial comb honev is made. The Encyclopedia Britannica has published it as a fact, which shows the unreliability of that work, if the like groundless rumors are taken for facts in other departments. It is to be hoped that our readers, at least, will understand that such statements are in no case true. Comb honey is not manufactured by any machinery—it must be done by the bee.

BURLINGTON ROUTE. Through Sleeper Daily to Texas Points.

The C., B. & Q. R. R. is now running in connection with the Missouri, Kansas & Texas Ry, from Hannibal, a sleeping car from Chicago to Sedalia, Ft. Scott, Parsons, Denison, Ft. Worth, Waco, Austin, Houston, Galveston and other points in Missonri, Kansas, Indian Territory and Texas. Train leaves Chicago at 5:45 p m. daily, Peoria at 8:20 p. m. daily, except Sunday, and reaches Texas points u any hours quicker than any other route. Through tickets and further information can be obtained of Ticket Agents formation can be obtained of Ticket Agents and P.S. Eustis, Gen'l Pass. & Tkt. Agt., C., B. & Q. R. R., Chicago.

Raising mules pays for the reason that it costs less to raise mules than horses, and being hardier, there is less risk of loss.

THE

MARYLAND FARMER

AND

NEW FARM.

Agriculture, Live Stock and Rural Economy,

Oldest Agricultural Journal in Maryland and for ten years the only one.

27 E. PRATT STREET,

BALTIMORE, MD.

WALWORTH & Co.. Editors and Publishers.

BALTIMORE, September 1889.

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We invite our subscribers to read well the terms of subscription: \$1.00 a year if paid IN ADVANCE, \$1.50 if not paid until the close of the year.

Unless notified to stop, and paid up in full at the time of notification, it will be at the option of the publisher whether the magazine is stopped or continued. If notified to stop and paid up in full, it will always be stopped promptly.

If 5000 are allowed to run over a single number without paying, it is a cost to us of \$500, which we cannot afford to lose. Few of our subscribers take this into consideration. While we like to be as generous as possible, let us have a little justice on both sides.

If in sending in your subscription at any time in advance, you say "stop when this expires," the magazine will stop coming to you, unless you renew your subscription.

These terms will be strictly adhered to by the present proprietors.

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Job Printing of every description—good work—low prices—prompt service—at the MARYLAND FARMER Printing Office.

THE EXPOSITION. Sep. 9-14.

The time will be on the very eve of its arrival when this number of our magazine reaches its readers and we advise all who can do so to make it a point to visit Baltimore.

All the arrangements have been made with the government for the supply of the vessels of war, the batteries and United States soldiers, the ammunition and details of every description to reproduce the battles of North Point and the bombardment of Fort McHenry. The choice regiments of Maryland and the adjoining states will also join in the display.

The civil display and procession in Baltimore, with its vast number of "floats," will probably be equal to any ever witnessed in our country. The arrangements made are upon the very most extensive scale and the enthusiasm is at fever heat.

But these things have not interfered with the great display at Pimlico of everything having a relation to the Agricultural resources of our State, as well as to its manufacturing interests. The greatest care has been taken in this respect, that with the outward display no neglect shall result in the real benefits of a substantial character to be derived from the State Agricultural Fair.

The greatest gathering in the history of our State Fairs may be confidently expected. From every county come words of encouragement and we shall be greatly disappointed, if our expectations should not be more than fulfilled.

The races very naturally will occupy a large share of attention in connection with the Pimlico attractions; and with the enthusiastic championship of those in charge of the Exposition, will be among the great events of the occasion.

Let nothing of a minor degree of importance keep any of our readers from

being in Baltimore and at Pimlico during the second week of September. All will be well repaid for the time and money spent for their visit.

Many strangers from all parts of the country will be here—some to prey upon the unwary—and each visitor should be wide awake, careful about whom he trusts, bringing with him no large amounts of money, that he may return to his home in a cheerful frame of mind and contented with his journey.

This will be an occasion not to be again enjoyed during a lifetime, and it will certainly be a great loss if it should pass and you fail to have been one of the happy throng who will help to make it a successful and useful Exposition for our State.

THE HORN FLY.

This pest, which seems to have suddenly become alarming in its attacks upon cattle, is spreading over the whole country and causing much anxiety to farmers. It attacks the cattle at the base of the horns in a solid mass and causes them great torture. Cows fall off in milk and cream, and frequently in their violent attempts to dislodge their torturers lose their horns.

The best remedy seems to be the dusting freely with some non-arsenical insect powder. Pyrethrum does very well as long as it is used fresh. Tobacco powder has also the desired effect. The Agr. Dept., gives the means of preventing their increase and to keep the flies away as follows:

"The preventive is obviously to lime the dung in the fall in places where the cattle preferably stand at night. To keep the flies away, the applications may be (1) fish-orl and pine tar with a little sulphur added; (2) tobbacco dust, when the skin is not broken; (3) tallow and a small amount of carbolic acid. The latter application will also have a healing effect where sores have formed."

The most effective remedy for this troublesome pest proves to be the prepararation "X. O. Dust" manufactured by, The Insecticide Manufacturing Co., 10 East Camden st., Baltimore. It was not intended especially for it; but whenever tried has proved a prompt and effectual remedy. It has received the absolute endorsement of the New Jersey Experiment Station, and is pronounced an instantaneous exterminator. At the same time it is very cheap, easy of application and can be had in any quantity desired.

AT THE EXPOSITION.

Things which visitors should do.

This will be the occasion when all who attend the Exposition will have the opportunity of securing advantageously whatever is needed in their homes or on their farms, and the opportunity should be accepted without fail.

We shall be most of the time in our office, and will be glad to welcome all visitors and do whatever we can to make their stay in the city profitable to them. That they may know to whom they may go for good wares and merchandise, we invite them to look over our advertising columns, copy the names and address of our substantial houses and patronize them.

We would be glad to mention each one of them; but that is impossible. We call attention, however, to a few with whom it will be a great satisfaction to you to become acquainted.

Among Fertilizer Houses, none will give you greater satisfaction than the following:

Slingluff & Co., 300 W. Fayette St.,

H. S. Miller & Co., 202 Buchanan's Whf.,

R. A. Wooldrige & Co., 212 Buchanan's Whf.,

R. J. Baker & Co., 40 S. Charles St., Griffith, Turner & Co., 205 N. Paca St.,

W. S. Powell, 217 Bowley's Whf., Flamingo Guano Co., 26 South St.

You will receive the very best attention by every one of these houses, and they will be very glad to supply all your wants in the way of fertilizers.

In the line of Agricultural Implements you will find your wants met by

Griffith, Turner & Co., 205 N. Paca St.,

Roland Plow Works, S. Howard St., Spear & Waters, 120 Light St.,

E. Whitman, Sons & Co., 27 E. Pratt St.

For clothing visit as a matter of course, if you would save money and get satisfaction:

Noah Walker & Co., 119 E. Baltimore St.,

Oehm's Acme Hall, 5 W. Baltimore St.

Every one wishes to have something in the way of ornament and at the same time to know that they can depend upon those with whom they deal for Jewelry, Watches, etc. You will visit:

Welsh & Brother, 5 E. Baltimore St., A. E. Warner, 131 E. Baltimore St., J. S. MacDonald, 6 and 8 N. Charles St.

To obtain the very best musical instruments at the most favorable prices, call and see:

Chas. M. Stieff, 9 N. Liberty St., Sanders & Stayman, 13 N. Charles St. Maryland Farmer Office, also.

Paints are wanted on every well regulated farm and you can get them to suit, of A. Young & Son, 7 W. Pratt St.,

Hirshberg, Hollander & Co. 110 W. Pratt St.

It will pay you to visit, also, if you need anything in their line:

Balto. Coal Tar & Mf'g Co., 16 W. Camden St.,

Guggenheimer Weil & Co., 109 E. Baltimore St.,

Marden Scale Works, S. Charles & Balderson St.,

R. Q. Taylor & Co., N. Calvert St., Hugh Sisson & Son., 210 E. Baltimore St.,

Riddle & Williams, 124 N. Howard St., McDowell & Co., 36 W. Baltimore St. And also consult our Farmer's and Planter's Guide.

You may perhaps want photographs taken while here and no better can be found in this world than those advertised by us:

Geo. C. Mueller, Cor Broadway and Bank St.,

N. S. Busey, 112 N. Charles St.,

J. Holyland, Cor. Baltimore & Charles Sts.,

Richard Walzl, Eutaw & Franklin Sts., Wm. Shorey, 129 E. Baltimore St.

Give our advertisers a call when you want anything they keep, for we know they are able to satisfy you, and having had dealings with most of them, we are sure you will find them accommodating in every particular. This will be sure to be the case if you take occasion to mention the Maryland Farmer.

WEEDS.

This is the month when the weeds are generally neglected in garden and field. Most of the vegetables are harvested and those which are not already gathered are so far advanced that their cultivation is about ended. Thus weeds thrive and the entire fall is too often given up to them.

A great mistake is made here. Many of the most prolific weeds, which have been carefully destroyed so long as they interfered with the crops, have plenty of time in which to bring to perfection myriads of seeds. Before the winter comes severe enough to destroy the plants they have seeded the ground sufficiently to cause much labor in the succeeding spring and summer.

It will not be labor wasted to prevent this—to turn under these weeds before they are matured, or to cut them off if not convenient to use the plow. They can be burned later, but that is only a partial remedy as a great portion of the seeds escape the fire.

COTTON BAGGING.

With our usual opposition to all trusts and monopolies, we heartily endorse the

resolves of Planters all through the South to use Cotton Bagging. Let it become universal. Let it be not only a resolve; but reduce it to practice. This is the month in which the test will be made, whether the cotton shall be taxed by the Jute trust, or whether the planters of the South shall be free from their exhorbitant demands. Cotton is lighter, cotton is stronger, cotton is less liable to fire, cotton bagging is a symbol of freedom from extortion. This last is more than all the others.

We invite especial attention to the advertisement of the Newark Machine Co. Read it and write to them. They are a house with which you can do business safely and to your advantage.

POULTRY.

POULTRY SHOWS THIS SEASON.

There are a large number of poultry shows advertised to occur this season, and it is not out of place to call the attention of managers to the importance of giving a place to dressed carcasses and the display of poultry and eggs for market. couragement of the market fowl is to encourage more interest in pure breeds, as choice poultry can only be produced by the use of the pure breeds. The farmers do not take that interest in the fancy displays that they should, but when induced to compete for the best carcass or fattest live fowl, they not only take pride in winning in that class, but an interest in pure breeds is also implanted within them. A poultry show should not be exclusively

fancy, but should include everything in the feathered line to be found on farms.— Exchange.

A HARD YEAR ON CHICKS.

The present season has, so far, been a hard one on chicks. These warm nights, turning cold so suddenly before morning, have been the means of killing off thousands of young chicks. Even under hens the mortality was great. There is no remedy for it, consequently the poultry must suffer. The great cry throughout the east this spring was, "Eggs will not hatch on time." It is remarkable, and yet true, that pure-bred eggs, in a great many cases, were from three to five days late in bringing out the chicks. Why it has been a poser to

the poultry fraternity. And the strange part of it all is that chicks coming at such a late date were unusually active and strong. No reports of this trouble have as yet been received from the west.—[Exchange.

VALUE OF FRESH EGGS.

When eggs are worth 24 cents a dozen in market, to-day's eggs are worth 36 cents, yesterday's eggs are worth 30 cents, daybefore-yesterday's eggs are worth 28 cents, and all the earlier laid are 24 cents. Of course this applies to special service to special customers in the best markets and by reliable parties.

POULTRY POINTS.

In putting up wire fencing, never use a top piece. It gives the fowls an object to fly at, and they'll soon learn how to get over the fence.

Fine tobacco, or flour of sulphur, sprinkled in the nests, make a good preventive against lice.

Do not let ducklings bathe until they have all their white feathers.

Rather than send stale eggs to market, cook them hard and mix with your feed.

Do not waste the weeds you pull out of your garden. Chickens love to pick at them.

Keep your chickens tame. They do better in every way; besides, it is a great deal of satisfaction.

Be liberal with the kerosene on the hen's roosts. See that it floods out all cracks and places where lice can hide.

A flock of Leghorns, Minorca, Spanish

or Houdan hens, without a cock in the yard, will prove themselves great egg machines.

Hard-boiled eggs give diarrhæa to chicks. Raw eggs, soaked up with bread crumbs, are good for bowel troubles.

In packing eggs for hatching to be sent some distance, use the baskets made for this purpose and sold by nearly all supply dealers. They are cheap and safe. Use "excelsior" for packing.

Old ducks never get "lousy," the oily nature of their feathers protecting them.

A point for poultrymen exists in the fact that the most profitable deals in poultry are made in a season of the year when there is little else to do. During the harvest months the business is almost through with, and active operations begin after the important fall farm work is over. Considering these things, every farmer should aim for a handsome income from poultry.

STONEBRAKER'S PREPARATIONS.

We have recently heard many favorable comments in reference to these preparations of the Stonebraker Chemical Co., of Baltimore. Each department of animals has its particular attention and the preparations are adapted to the wants of each. They do not pretend that one thing is good for mankind and for horses, hogs, cattle, sheep and chickens; but after close study, and long experiments, and patient investigation, they have something for each one; and in this is their success. In the midst of their moulting, the chickens will be greatly improved if they can have an occasional portion of Stonebraker's Chicken Powders, and after moulting, the basket will show the effects in good quantities of eggs.

GARDEN NO ORCHARD.

We call especial attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—Editor Md. Furmer.

Wm. H. Moon, Glenwood Fruit and Ornamental Nurseries. Morrisville. Pa.

D. H. Patty,

Nurseries, Geneva, N. Y. Agents Wanted.

Wiley & Co. General Nurserymen and Imcayuga, N. Y.

Northern Grown Seeds, Worthrup, Braslan & Goodwin Co. Minneapolis, Minn.

E. Moody & Sons, Lockport, N. Y. Niagara Nurseries. Estab.ished 1839.

West Jersey Nursery Co. Choicest New & Standard Prints. Bridgeton, N. J.

P. Emerson, Specialties-Peach, Pear & Apple Wyoming, Del.

H. W. Hales,

Ridgewood, N. J. New an | Rare Plants.

Samuel C. Moon, Morrisville, Bucks Co., Pa. Morrisville, Bucks Co., Pa. Shrubs.

Ellwanger & Barry, Mount Hope Nurseries, Rochester, N. Y.

Lewis Roesch, Grape Vines and Small Fruits. Fredonia, N. Y.

C. E. Allen, Seeds, Plants, Fruits, Roses, Bulbs. Brattleboro, Vt.

Wm. Parry, Grap. s, etc. Small Fruits. Parry, N. J.

W. Atlee Burpee & Co. Seeds and Thoroughbred Stock. Phil'a, Pa.

Thos, Meehan & Son, Oaks, Rare Ornamenton, Pa.

Henry A. Dreer, Seeds, Plants and Garden Supplies. Philadelphia, Pa.

Z. DeForest Ely & Co. The Popular Seedsmen. Philadelphia, Pa.

W.M.Peters & Sons, Peach Trees a Specialty. Wesley, Md.

Robert C. Reeves, Seeds, Fertilizers, Implements. New York, N. Y.

E.B.Richardson & Co. Nurserymen. Salesmen Geneva, N. Y.

Delano Moore, Presque Isle, Aroostook Co. Mc.

Diamond White Grape Co. Best White Grape ever in-

Price & Reed, Imported & Home grown Vegetable & Flower Seeds. Albany, N.Y.

E. & J. C. Williams, Nursery Stock, Grapes & Montelair, N.J.

Bush & Son & Meissner, Bushberg, Mo.

Crosman Bros, Seeds & Plants, wholesale and Rochester, N. Y.

W. D. Beatie, Fruits & Flowers, specially adapt-

F. Barteldes, & Co. Kansas Seed House. Lawrei ce, Ks.

Miami, J. The best late Strawberry on Earth. D. Kruschke, Box 824. Piqua, Ohio.

Roop & Zile, Seed and Plant Growers. Westminster, M.1

Parsons & Sons Co. (Limited), Flushing, N.Y. Rare Trees & Shrubs.

Fred W. Kelsey, The best Trees, Shrubs, Roses and Plants, New York, N. Y.

P. J. Berckmans, Trees, plants, etc., adepted to the South. Augusta, Ga.

Frank Ford & Sons See Is & Nursery stock.
Ravenna, Ohio.

F. H. Mooers, Eastern grown Garden Seeds.

Seed Potatoes, Standard old, choice new var-

A. W. Livingston's Sons, matoes. Columbus, O

For the Maryland Farmer.

A CHANGE NECESSARY VI.

Strawberries.

I have received your letter containing requests of correspondents for further information as to how I plant and cultivate my strawberries and the best ones for profit, etc.

Of course when I said two months ago that I left this work of planting and cultivation very much to the farmers themselves, I did not refer to amateurs, who had never blessed themselves heretofore with a strawberry bed. But there seems to be more of such among us than I could suppose possible. I will, therefore, give this communication to show "how I do it."

In the first place I take a corn field which is in fair condition and which has been kept free from weeds, as all corn fields should be kept, and plow it as deeply as the good soil will allow, not turning up any sub-soil. I then give to this piece of ground, broad cast, as much enrichment as I can afford. It is very well known that while strawberries will do well on good corn ground, they will do best on the richest soil. I do just as well as I can afford in this respect. This I harrow into the ground thoroughly. I then consider it prepared for my especial work.

The next move is to mark the rows off 3½ feet apart and prepare for planting. Anytime in September will do for planting, although the earlier the better. The plants at hand, generally the common rooted runners, are brought into the field in buckets of cow-mannre puddle in which the roots are placed. Eighteen inches in the row is about the distance apart I place them. I use a trowel for planting them and do it slowly and with care-spreading the roots well, and making them as solid as I can with one left hand pressure. can plant a large number in half a day, if my boy who supplies the plants understands his business.

The boy's business is to examine each plant as it comes out of the bucket, and with a pair of shears, clip off the ends of straggling rootlets and two or three of the largest leaves. Then lay them carefully

to my hand beside the row and never have more than half a dozen in advance of me. I seldom lose a plant.

About sundown I have all the help I can get go with me, carrying buckets of water and tin dippers and give to each plant about a pint of water at the root, at the same time covering the moist surface with a handful of dirt. I don't always do this last; but whenever I can I think it pays me well. I work myself with the men and take pains with my work and see that the men do the same.

It is important to have the roots all beneath the ground, and it is equally important that the crown of the plant should not be beneath the ground. This should be direction enough on that score.

This planting I keep free from weeds during all the fall months by careful cultivation, and after the ground is frozen I spread thinly over the rows something to prevent them from injury by the freeze and thaw of the winter. I have used pine brush to advantage; but the best thing has been a thin covering of the straw used for bedding in the barn.

The next Spring, early, I uncover the rows and cultivate between them, keeping down all weeds and throwing all straggling runners into the rows. Very little fruit comes and as from time to time I walk through them, if the blossoms are heavy I break them off. All the strength must go into closing up the rows and making good crowns for the next year's fruitage. All this year I keep them free from weeds, the ground in a good friable condition, giving the soil any fertilizer I may have to spare, such as the chicken droppings, ashes, etc. When the ground freezes I cover again and open up early in the spring. I skim the ground on top with a cultivator, just sufficient to break the cold winter stiffness, and kill the sprouting weeds, mulch plentifully on each

side of every row, and my work is finished.
Then comes the fruit and I am seldom disappointed.

Now comes the most difficult of all the things to answer. What kind to plant? Everyone's soil is different and it is seldom that the same plant will do equally well in two localities. My soil is light sandy loam and I have used the Cresent, Seth Boyden, Kentucky Seedling and Monarch of the West with some Wilson, as a general fertilizer of the Crescent. These have been for my main crop, and while I try the new kinds as they come up, I find these well adapted to my sandy land.

Others very highly recommended in different parts of the country and for different soils, are Havilands, Hoffmans, Bubachs, Belmont, Manchester, Monmouth, Sharpless, besides hosts of highly advertised berries, which I cannot even name here. Any of the above, however, if the soil and cultivation is given them, will be sure to give a good degree of satisfaction. I would, however, repeat here that new, untested berries should be bought very, very sparingly, merely to try in your land. The above named have done well with me on specially prepared beds.

CHAPMAN.

STRAWBERRY PLANTING.

Almost all plantings of small fruits, fruit trees, shrubs, hardy plants, etc., we think are better in the Fall, if properly done, than at any other time.

But above all things strawberries planted now from pot-grown runners, will pay better than waiting until spring. Don't wait. If you have none at present, make your ground as rich as you can afford and set out 100 or 200 plants. Set them a foot apart and next spring cover the ground with a mulch of straw, and you

side of every row, and my work is finished. will have plenty of fruit for your family.

Remember your family have the very best right to a dish of strawberries when they want it, and can have it so easily.

A FRUIT GROWING FARMER.

George F. Powell, of Ghent, is putting out 20,000 currant bushes, from which he anticipates a crop of · 0 tons a year. Mr. Powell has an apple orchard of 800 trees, which is as handsome a one as is to be found in the State. The trees are of good size, their tops almost interlacing and the trunks kept smooth and clean by the use of a scraper.

Mr. Powell has met with remarkable success in improving standard varieties by grafting, a notable instance being the Twenty Ounce or the Sour Harvest, by which he makes a gain of 60 days in ripening the fruit, being, as he is told by his consignee, the only man that ships that variety to England in August.

Mr. Powell attributes the fine condition in which he is able to market apples more to good foliage than anything else. It takes good, foliage, he argues, to make good, sound fruit. By scraping the trees, exterminating insects and the application of ashes he gets a hardy, vigorons tree and good fruit.

His shipping varieties are mainly Twenty Ounce, Greening and Baldwin.

In connection with his fruit which takes up the greater part of his 100 acre farm, Mr. Powell keeps a number of fine Jerseys and several hogs of an approved breed, his object in all cases being to produce something out of the ordinary run and better.

Being unable to raise much hay or grain, he has adopted the silo with great success, enabling him to keep the horses which his business requires, and an amount of stock which otherwise would tax the productive capacity of his whole farm if under ordi- A bed twelve by four feet will supply a nary tillage.

family until they do not care to look at

In short, he has proved, among other things, that the average farmer's capital, can change his farm from a hay and grain farm into fruit and dairy and make it pay; that good fruit will always pay where poor fruit may net a loss, and that health and happiness, with material success thrown in, may be found without going to the prairies of the West, among the beautiful hills and the valleys of our own State.

TOMATO FIGS.

Pour boiling water over the tomatoes in order to remove the skins; weigh them and place them in a stone jar, with as much sugar as you have tomatoes and let them stand two days. Pour off the syrup, boil and skim it until no scum rises. Pour it over the tomatoes and let stand two days as before; then boil and skim again. After a third time they are fit to dry, if the weather is good; if not let them stand in the syrup until good drying weather. Plate them on large earthen plates and put them in the sun to dry. Turn them occasionally. The drying will take about a week, after which pack them down in small wooden boxes, with fine white sugar between each laver.

MUSHROOM CULTURE.

I am reminded at this season to prepare for my favorite dish. How? Lay a bed of fresh stable manure six to eight inches thick on the shady side of a building or tree, cover this with good earth, wet the entire mass—perhaps the rain will do it—then pat down with a spade; inside of six weeks look out for a crop. When picked, select the largest ones just before they expand, leave the smaller ones to come on.

A bed twelve by four feet will supply a family until they do not care to look at another mushroom. Cost nominal. It will supply a large amount of rich, nutritions food for a family.

Stewed, fried, pies with a beef catsup: and if stewed and fixed up with milk is a good substitute for oysters. Just think of it! Pickled mushrooms are largely put up in Paris.—Furmer and Fruit Grower.

In an address given by Elmund Hersey of Hingham, before the Massachusetts Board of Agriculture, Nov. 30, 1885, he states as a result of seven years experiments: "1. Whole potatoes will produce a crop from a week to ten days earlier than cut potatoes. 2. Small whole potatoes will produce for many years in succession just as good, if not better, results than large potatoes cut the size of the small whole ones." Experiments made at the experiment stations of Massachusetts and New York seem, so far as they are carried, to show the same thing.

As the Fall months approach and the cool days remind you that new clothing is needed, do not forget that you will find at best prices and of the best wearing qualities all you want at Oehm's Acme Hall, Baltimore st; west of Charles.

FIVE HARVEST EXCURSIONS.

The Burlington Route, C., B. & Q. R. R., will sell, on Tuesdays, August 6th and 2oth, September 1oth and 24th, and October 8th, Harvest Excursion Tickets at Half Rates to points in the Farming Regions of the West, Southwest and Northwest. Limit thirty days. For circular giving details concerning tickets, rates, time of trains, etc., and for descriptive land folder, call on your ticket agent, or address P. S. Eustis, Gen'l Pass. and Ticket Agent, Chicago, Ill.

TO SELL FARMS.

For some time back we have been urged to give our readers the privilege of selling their farms through the medium of the MARYLAND FARMER. Lately we have had many calls for farms from friends in Baltimore who came to us very naturally to know of suitable places. Therefore we would state that if any of our readers choose to sell, we will probably be able to secure them customers.

The cost will be light—never more than agent's charges—(for advertising, time, &c.) and only to be asked in case a customer is No unnecessary publicity will be given.

Send us a description as follows:

- 1. Location and how to reach it-distance from Baltimore.
- 2. Nearest R. R. station, or Steamboat land- 97 Acres, 12 miles from Pocomoke City. ing, or both.
- 3. Number of acres.
- 4. What kind of soil. Sandy, clay, or mixed.
- 5. What kinds of woodland, and how much.
- 6. Condition of dwellings and outbuildings.
- 7. State of improvement—fences, fruit, grass, drinking water, &c.
- 8. Does it reach navigable water, and for what class of vessels?
- 9. Price and terms of payment-cash-exchange for city property.
- 10. Any other items-crops, stock, &c.

For example: We have a customer who wants a farm between 100 and 200 acres, with good water front; in Anne Arundel Co.; with fair buildings and other improvments; soil to grow grasses for pasture.

Address MARYLAND FARMER.

BALTIMORE, MD.

Farms For Sale.

40 Acre Fruit Farm, 1600 to 1800 Peaches, 150 Apples, 75 Pears, 25 Wild Goose Plums, Nectarines, Cherries, all in

- bearing. 2 acres Blackberries, a acre Struwberries & Raspberries, 1000 Grape vines. Good dwelling, barns, etc., splendid soft water. Best loamy soil. A pleasant and delightful home, near E. New Market, Md. Only \$2000 .- Title perfect.
- 3 Acres, 1 mile from Fork P. O., Baltimore Co.-deep black soil-the whole as a garden-stone dwelling and all necessary out-buildings, all in good condition. Good water, 15 miles from city. \$800.
- 228 Acres, 21 miles from Baltimore, Baltimore Co., ½ mile from station on W. M. R. R, Light soil, 50 acres of wood, Hickory, Oak and Chestnut .- 50 acres in Clover and Timothy-Dwelling in good condition, also two tenant houses-Two large healthy apple orchards, abundance of pears, 50 peach trees 2 yrs old-plenty of water-Schools and churches, good roads-Stable room for 20 cows. A most desirable property. \$10.000.
- Good dwelling. 6 acres Apples. Grass land. Loamy soil. \$2,000. Easy terms.

Address MARYLAAND FARMER.

Books, Catalogues, &c.

The magazines for the month are out with tables of contents which show the efforts made to gratify, interest and instruct their readers:

Harper's has an attractive array of good things, with illustrations that speak to the mind as well as the eye.

The Century is in no measure behind Harper in subjects, in illustrations and in all that goes to the "make up" of such a publication.

The Horticultural Art Journal gives its beautiful colored plates of fruit and flowers—really "a thing of beauty."

The Butterick Co., send out the De-

lineator by the hundreds of thousands to bless all those who belong to the household and need the style of garments of the present day.

From the Agricultural Experiment Stations comes a generous supply of bulletins, of which we make use in every number of our magazine.

We have at hand many of the Premium Lists of Agricultural Fairs in different parts of the country, and particularly from the counties of Maryland. It is impossible to acknowledge these favors in detail; but we hope all who have tendered us the complimentary tickets and invitations will accept our thanks. We shall attend some of the Fairs this year in person and we are sorry that we cannot attend them all.

Alluring Absurdities, Fallacies of Henry George, by M. W. Meagher, is a book of nearly 200 pages published by the American News Co., N. Y., at 25 cents. Space does not permit us to give it an extended notice.

The Consular Reports from the Dept. of the State bring information which can be useful on many occasions in the formation of our articles on agricultural advancement.

The small slips received from the Agricultural Department are of great value to the agricultural press, giving the substance of extensive bulletins in a few words.

The various bulletins from the Agricultural Department are more valuable than ever before, as they approach nearer to the popular taste in their composition.

The American Agriculturalist for September is a good number for the family—one which may be read with pleasure by the evening lamp.

The Southern Cultivator, of Atlanta, weak stomach.

Ga., is improving with every issue. Always good, even its best is outdone by the number which follows. Success attend it.

From the University of Minnesota we have received a very valuable report and also one from the Agricultural College of Michigan, and one from Cornell University, N. Y. We are getting works from these sources which, if preserved, will be of value in years to come.

Among Catalogues received we must mention as especially attractive that of Vaughan's Seed Store, Chicago. Write to them for a copy, if you wish seeds.

The Horticultural Times and Covent Garden Gazette, 127 Strand, London, W. C., England, is one of the best of our foreign exchanges in this line. You who desire a periodical from abroad, send \$2. for a year.

ANNE ARUNDEL FAIR.

As we go to press the Anne Arundel County Fair is in full blast at Bay Ridge and is promising excellent results for those who have the good fortune to be represented there. We hope it will secure a success in a pecuniary way also. It is in enterterprising hands and should have the support of all friends of agriculture throughout the county.

Last year in a very few weeks after their organization, with everything to be done and only a few earnest men to do it, an amount of success was secured beyond our utmost expectation. Although not having the advantages of some other Fairs in the matter of tolls, it was evident that a bright future was before them when all plans shall be perfected.

Beecham's Pills act like magic on a weak stomach.



FLYING SQUIRRELS IN SEPTEMBER GLORY.

TEFFE FEO TESTE FEO LID.

OMISSION.

It isn't the thing you do, dear,
It's the thing you leave undone
Which gives you a bit of heartache
At the setting of the sun;
The tender word forgotten,
The letter you did not write,
The flower you might have sent, dear,
Are your haunting ghosts to-night.

The stone you might have lifted
Out of the brother's way;
The bit of hearthstone counsel
You were hurried too much to say;
The loving touch of the hand, dear,
The gentle and winsome tone
That you had no time or thought for
With trouble enough of your own.

These little acts of kindness
So easily out of mind,
These chances to be angels
Which even mortals find—
They come in night and silence,
Each child reproachful wraith,
When hope is faint and flagging
And a blight has dropped on faith.

For life is all too short, dear
And sorrow is all too great,
'To suffer our slow compassion
That tarries until too late;
And it's not the thing you do, dear,
It's the thing you leave undone,
Which gives you the bitter heartache
At the setting of the sun.

-Margaret E. Sangster.

ALL'S WELL THAT ENDS WELL.

Mr Perry was an old bachelor and Miss Briggs was an old maid. He lived in the brick house on the hill, and she in the cottage opposite, and they were mortal enemies. He despised her because she kept two cats and a canary, and she loathed him for his affection for a huge mastiff and an old knock-kneed horse.

"Why on earth the man don't try to get a decent horse is more than I can imagine!" she would say, as he plodded up to the door. "I believe that he is too mean and miserly to buy one."

Miss Briggs would have hardly felt pleased had she known that Mr. Perry rode back and forward on his worn-out piece of horseflesh for the purpose of annoying her.

They never spoke, but yet they managed to keep up a perfect warfare, by disagreeable manners and wrathful glances.

She sat hour after hour beneath the canary bird in the window, with her cat perched upon the sill and her knitting in her hand, throwing glances of scorn to the opposite side, where he, with cigar and newspaper, received and paid them back with interest.

His detestable dog came over and ran through her garden destroying all her beautiful tulips and hyacinths, and she gave him a hot bath which sent him howling to his master, and when said master remonstrated, sent word that she would treat him worse next time.

Her little red cow broke through his enclosure, and devoured his turnips and cabbages, and he led her home and informed Miss Briggs that a second offence would give her a comfortable pasture in the pound.

For two years they lived and fought and no one could bring about peace between them. It was a pity, the neighbors said, for Miss Briggs was a dear little soul, and there was not a finer man in the country than Mr. Perry.

"Julia, my love," said Mrs Perkins one afternoon, as she entered the cosy parlor, "I am going to have a party, and I want you to come down in the afternoon to tea and remain during the evening. Every one will be there."

"Will the old bach over the way be there?"

"Mr. Perry? Oh, yes! We could not get along without him."

"Then that settles the matter, I shan't go."

"Now, Julia, don't be so foolish! If you remain at home he will think that you are afraid of him."

Miss Briggs thought the matter over. Well, it would look a little like that, and she would not have him think so for the world—the conceited wretch.

Mrs. Perkins went home, and it was arranged that Miss Briggs was to spend the afternoon and remain for the party.

She was a pretty little woman, and it was always a puzzle to every one why she never married. She had a round rosy face, clear brown eyes, and beautiful hair, and if she was thirty, there was not a smarter woman in town.

She stood before the looking glass in the chamber, and fastened her lace collar over the neck of her dress with a plain gold brooch and began to think that she looked very well. There was a bright healthy flush upon her cheek, and her eyes were full of life and beauty.

She walked into Mrs. Perkins' sitting room and found her awaiting her with a smiling face. She thought that she must be in a very good humor, but said nothing, allowing the good lady to smile as long and pleasantly as she wished.

She understood it all when supper time came and Mr. Perkins entered, followed by Mr. Perry. This was a well-laid plan to make the two become friends.

Miss Briggs bit her lips and inwardly

vowed that nothing should tempt her to "give that man" her hand in friendship. She hated him and always would.

He was placed directly opposite at the table, and many times forced to pass the biscuits or preserves, and Miss Briggs accepted them, although she declared to Mrs. Perkins after supper that they nearly choked her.

Before evening they were both persuaded to overlook the horse and cow difficulty and be civil, and Miss Briggs was frightened when she found herself talking to him with easy and pleasant familiarity.

The party was a success, and although the sports were generally monopolized by the younger portion; they found room for the old maid and her enemy, and several times they found themselves doing most ridiculous things in the way of paying forfeits.

At the end of the evening Miss Briggs was at the door ready to depart, when he called:

"Miss Briggs I am going up your way. Will you ride?"

Would she ride behind that old horse, and beside that detestable man? She was wondering whether she would or not, when Mrs. Perkins came and triumphantly led her out and packed her into the carriage.

It was as dark as pitch, and they had to let the horse go his own way and find it the best way he could. He did so very well until they reached the cottage, and then he was bewildered.

Mr. Perry spoke, jerked the reins, but to no purpose. He then took out the whip. Whether his natural dislike to that article or the memory of the indignities he had suffered from the hands of the owner of the cottage overcame him, it is hard to decide, but at all events he kicked up his heels, ran a few yards and fell, overturning the buggy and its precious contents.

Miss Briggs was up in a moment, un-

harmed, but Mr. Perry was silent as the grave. She ran shouting through the darkness until Mr. Perry's help came with a lantern to her assistance.

They found the man half dead beneath the carriage, and while Dan was at work, Miss Briggs ran home for her own servant. After much hard labor they succeeded in extricating him from the wreck, but he was senseless, and they bore him home and sent for the doctor. Upon examination they found his leg broken, and thus Miss Briggs' enemy was at her mercy.

The days and weeks that followed were dreadful ones to the sufferer, but Miss Briggs never left him. Day and night she stood beside him, and her plump hands administered to every want.

He forgot the cow and his turnips. He forgot the cat and the canary. He only saw a little patient woman, with a pretty face, trim figure, and tender hands—and would you believe it—fell in love with her.

How could he help it? She had sat by him through the dreary days of pain, she had brought him her preserves, and nice invigorating cordials. She had, in all probability, saved his life.

What could be do? Nothing but fall in love.

"Miss Briggs!" he said one day when he was able to sit up.

"Well, Mr. Perry?"

"You have been very good to me, and I feel as though I owe you a great deal."

"There! now just stop where you are. You owe me nothing."

"But would you mind if I trespassed a little further on your good nature?"

"Not at all."

"Well, Miss Briggs, will you take me in charge for the rest of my life?"

"What?

"Will you marry me? There?"

Miss Briggs blushed, and her answer came thus:

"I will marry you."

There was a wedding in the church a few weeks later, and Mrs. Perkins prepared the wedding supper.

Mr. and Mrs. Perry live in the brick house, and the cottage is rented to a young man and his wife, to whom Mrs. Perry bequeathed her cats and the canary.

The mastiff and the knock-kneed old horse are with their forefathers.—[Ballou's Monthly,

LUCK STONES.

What is your special luck stone?

If you were ushered into the world at the beginning of the year, in January, then you should wear a Garnet, because that will make your husband true to you and will make you a good mother.

If you selected February to make your bow; then you must have an Amethyst, for that makes you truthful, it will protect you from slander and will make you reverent and God-serving.

If the winds of March wafted you thither, take a Sapphire; then you will be preserved from quarrels and will be faithful.

For April, changing every hour, put on your finger a Diamond and you will be kept free from evil and pure your life long.

In May you take an Emerald for good health and long life.

An Agate for June will protect from spooks and keep your husband faithful.

July, warm and sunshiny, causes a Ruby to glow for you and fills the heart of the man you love with passion and adoration.

For August choose the Sardonyx, and you will be a happy mother, but you will have to look out for your husband.

September endows you with a Moonstone—you will be lucky in games of chance and have many loves.

October makes a good housewife, for the Carbuncle promotes love of home.

November gives a Topaz and many friends; their faithfulness is shown by the stone retaining its color.

In December to you and to all the world of big and little people I wish the Turquoise, because in that month there came to us a frien l, a little child. "For unto ns this day is born a King." God bless every one of us and give us a merry Christmas and a happy New Year and a thought for the stranger at our gates.

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The English Sparrow Report from U.S. Dept. of Agr. It is very unfavorable and should serve to enforce the duty of using all proper effort to lessen their increase. Kill and eat them by wholesale if possi-

The Century comes laden with interesting matter. The closing chapters of the Lincoln History are worth the whole cost of the year.

The bulletins of the various Experiment Stations are of value. We urge each reader to write to the Director of his own State requesting that they be sent to him. postal card is all the expense.

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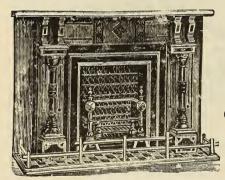
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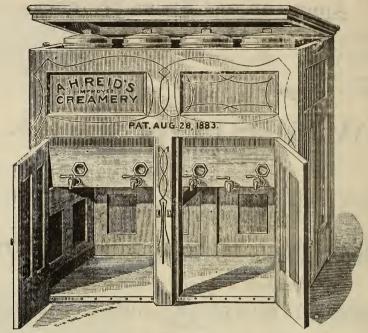
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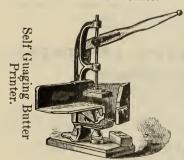
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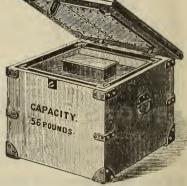
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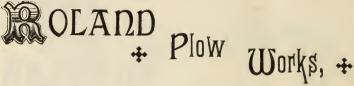
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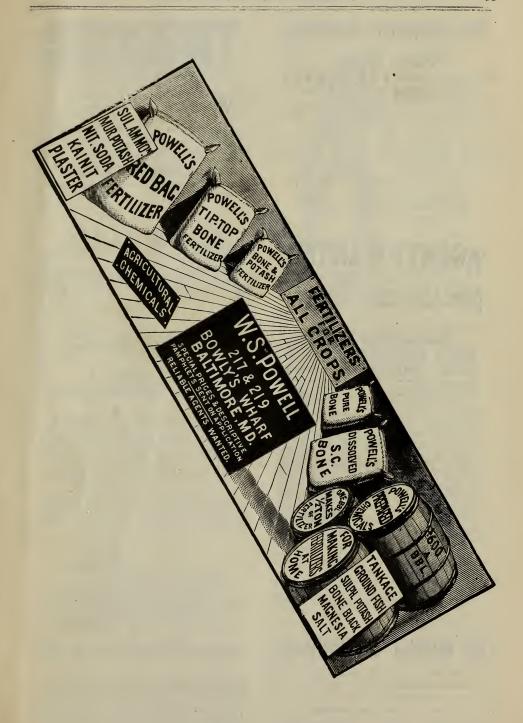
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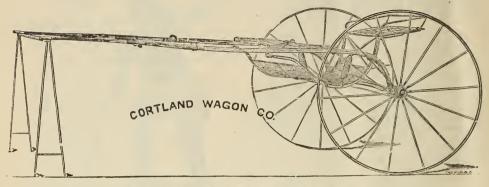
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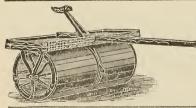
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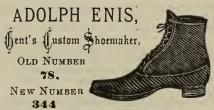
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indorse Stonebraker's Chicken Powders as the only powder for the production of eggs, the prevention and cure of diseases in Chickens, Ducks, Turkeys, Geese, Pigeons and the feathered family. Nothing so healthful for young chicks sold in the United States. Price 25 cents per package.

If you wish your horses, cattle and sheep to thrive and your farm to prosper, don't neglect to keep a good supply of Stonebraker's Horse and Cattle Powders on hand.

Painter (who is looking for work and has pestered Mrs. Hobson beyond endurance)—"That fence, madame, needs a coat of paint very badly." Mrs Hobson (impatiently to servant)—"Show this man the front door at once, James," Painter—"Ah, this looks like business; I'll paint that door for you madame, in good shape for \$5." He did so, and this is what he painted;

For aches and pains,
Frost-bites and chilblains,
use Stonebraker's Liniment, 25 and 50 cents a
bottle.

THE STONEBRAKER CHEM. CO.,

BALTO., MD.

Gentlemen:—I have tried every brand of Insect Powder I could get with but poor success until I got Stonebraker's Insect Powder which rid the premises of insects, roaches, &c. in hort order.

Yours respectully, LIZZIE WIMMER, 1030 W. Lombard St,, Balto., Md. Minister to Bible class:—"What solitary wonder of Egypt excelled in cost and splendor all the Temples of the Greeks put together?" No answer.

Minister to infant class :—" What remedy of this country is so universally used for children teething?"

Chorus:--"STONEBRAKER'S GUM SYRUP."

Minister: - "Right."

Ask for INDIAN GLUE, it mends everything solid as a rock. Complete for 5 cents. Sold everywhere.

Stonebraker's Hog Powders are for hogs and nothing else. Testimonials from every State in the Union declare them to be the only powder that will strengthen, invigorate and keep hogs fat, with less than regular feed; a specific for hog Cholera; never failed. Established 1849. Sold in any quantity and recommended by stock-breeders everywhere.

For Horses, Cattle and Sheep use Stonebraker's Horse and Cattle Powders.

For the whole feathered tribe use Stonebraker's Chicken Powders,

For Hogs use Stonebraker's Hog Powders.

Being extensively used throughout the country for forty years has fully tested their virtues.

Sold by all first-class merchants. Twenty five cents per package, or five for one dollar.

Stonebraker's Chicken Powders for the feathered tribe, are the only true chicken powder and the only powders that cure and prevent cholera, gaps, roop, pip and swelled head. It makes hens lay, and nothing is so good for young chicks.

THE STONEBRAKER CHEMICAL CO.

Manufacturers and Sole Proprietors,

Baltimore, Md.

BEWARE OF FRAUDS AND IMITATIONS.